

Release notes for ENDF/B Development n-092_U_234
evaluation

ENDF
B-VII.dev

May 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=9225, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=9225, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 381 TO 515
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=9225, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=9225, MF= 1, MT=451
MOD = 2 OUT OF RANGE 0 - 0 RECORD NUMBER 381
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 1, MT=452 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF= 1, MT=452
SECTION 1/452 NOT IN DIRECTORY RECORD NUMBER 516
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 1, MT=455 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF= 1, MT=455
SECTION 1/455 NOT IN DIRECTORY RECORD NUMBER 523
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 1, MT=456 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF= 1, MT=456
SECTION 1/456 NOT IN DIRECTORY RECORD NUMBER 531
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 1, MT=458 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF= 1, MT=458
SECTION 1/458 NOT IN DIRECTORY RECORD NUMBER 538
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 545
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 1 (0): Directory (b)

- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 1 | RECORD NUMBER | 736 |
| SECTION 3/ 1 NOT IN DIRECTORY | | |
8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 2 | RECORD NUMBER | 887 |
| SECTION 3/ 2 NOT IN DIRECTORY | | |
9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 3 (0): Directory (b)
- | | | |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 3 | RECORD NUMBER | 1038 |
| SECTION 3/ 3 NOT IN DIRECTORY | | |
10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 4 (0): Directory (b)
- | | | |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 4 | RECORD NUMBER | 1189 |
| SECTION 3/ 4 NOT IN DIRECTORY | | |
11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 16 | RECORD NUMBER | 1278 |
| SECTION 3/ 16 NOT IN DIRECTORY | | |
12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 17 | RECORD NUMBER | 1308 |
| SECTION 3/ 17 NOT IN DIRECTORY | | |
13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 18 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 18 | RECORD NUMBER | 1330 |
| SECTION 3/ 18 NOT IN DIRECTORY | | |
14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 19 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 19 | RECORD NUMBER | 1453 |
| SECTION 3/ 19 NOT IN DIRECTORY | | |
15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 20 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 20 | RECORD NUMBER | 1576 |
| SECTION 3/ 20 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 21 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 21 | RECORD NUMBER | 1674 |
| SECTION 3/ 21 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 37 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 37 | RECORD NUMBER | 1727 |
| SECTION 3/ 37 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 38 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 38 | RECORD NUMBER | 1739 |
| SECTION 3/ 38 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 51 | RECORD NUMBER | 1772 |
| SECTION 3/ 51 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 52 | RECORD NUMBER | 1861 |
| SECTION 3/ 52 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 53 | RECORD NUMBER | 1947 |
| SECTION 3/ 53 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 54 | RECORD NUMBER | 2030 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 55 | RECORD NUMBER | 2109 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 56 | RECORD NUMBER | 2182 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 57 | RECORD NUMBER | 2254 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 58 | RECORD NUMBER | 2325 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 59 | RECORD NUMBER | 2395 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 60 | RECORD NUMBER | 2465 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 61 | RECORD NUMBER | 2533 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 62 | RECORD NUMBER | 2600 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 63 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 63 | RECORD NUMBER | 2666 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 64 | RECORD NUMBER | 2732 |
| SECTION 3/ 64 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 65 | RECORD NUMBER | 2797 |
| SECTION 3/ 65 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 66 | RECORD NUMBER | 2861 |
| SECTION 3/ 66 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 67 | RECORD NUMBER | 2925 |
| SECTION 3/ 67 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 68 | RECORD NUMBER | 2989 |
| SECTION 3/ 68 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 69 | RECORD NUMBER | 3052 |
| SECTION 3/ 69 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 70 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 70 | RECORD NUMBER | 3114 |
| SECTION 3/ 70 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 71 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 71 | RECORD NUMBER | 3175 |
| SECTION 3/ 71 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 72 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 72 | RECORD NUMBER | 3236 |
| SECTION 3/ 72 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 73 | RECORD NUMBER | 3295 |
| SECTION 3/ 73 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 74 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 74 | RECORD NUMBER | 3352 |
| SECTION 3/ 74 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 75 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 75 | RECORD NUMBER | 3405 |
| SECTION 3/ 75 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 76 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 76 | RECORD NUMBER | 3454 |
| SECTION 3/ 76 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 77 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 77 | RECORD NUMBER | 3502 |
| SECTION 3/ 77 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 78 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 78 | RECORD NUMBER | 3549 |
| SECTION 3/ 78 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 79 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 79 | RECORD NUMBER | 3595 |
| SECTION 3/ 79 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 80 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 80 | RECORD NUMBER | 3640 |
| SECTION 3/ 80 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 81 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 81 | RECORD NUMBER | 3684 |
| SECTION 3/ 81 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 82 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 82 | RECORD NUMBER | 3727 |
| SECTION 3/ 82 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 83 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 83 | RECORD NUMBER | 3769 |
| SECTION 3/ 83 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 84 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 84 | RECORD NUMBER | 3810 |
| SECTION 3/ 84 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 85 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 85 | RECORD NUMBER | 3849 |
| SECTION 3/ 85 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 86 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 86 | RECORD NUMBER | 3887 |
| SECTION 3/ 86 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 87 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 87 | |
| SECTION 3/ 87 NOT IN DIRECTORY | RECORD NUMBER 3925 |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 88 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 88 | |
| SECTION 3/ 88 NOT IN DIRECTORY | RECORD NUMBER 3962 |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 89 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 89 | |
| SECTION 3/ 89 NOT IN DIRECTORY | RECORD NUMBER 3998 |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 90 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 90 | |
| SECTION 3/ 90 NOT IN DIRECTORY | RECORD NUMBER 4034 |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT= 91 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT= 91 | |
| SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER 4069 |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 3, MT=102 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 3, MT=102 | |
| SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER 4128 |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 2 (0): Directory (b)
- | | |
|--|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 2 | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 4204 |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 18 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 18 | |
| SECTION 4/ 18 NOT IN DIRECTORY | RECORD NUMBER 4840 |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 19 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 19 | RECORD NUMBER | 4843 |
| SECTION 4/ 19 NOT IN DIRECTORY | | |
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 20 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 20 | RECORD NUMBER | 4846 |
| SECTION 4/ 20 NOT IN DIRECTORY | | |
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 21 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 21 | RECORD NUMBER | 4849 |
| SECTION 4/ 21 NOT IN DIRECTORY | | |
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 38 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 38 | RECORD NUMBER | 4852 |
| SECTION 4/ 38 NOT IN DIRECTORY | | |
67. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 51 | RECORD NUMBER | 4855 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 52 | RECORD NUMBER | 5023 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
69. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 53 | RECORD NUMBER | 5189 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
70. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 54 | RECORD NUMBER | 5353 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
71. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 55 | RECORD NUMBER | 5458 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
72. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 56 | RECORD NUMBER | 5556 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
73. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 57 | RECORD NUMBER | 5652 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
74. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 58 | RECORD NUMBER | 5748 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
75. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 59 | RECORD NUMBER | 5842 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
76. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 60 | RECORD NUMBER | 5941 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
77. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 61 | RECORD NUMBER | 6033 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
78. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 62 | RECORD NUMBER | 6125 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
79. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 63 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 63 | RECORD NUMBER | 6217 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
80. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 64 | RECORD NUMBER | 6311 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
81. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 65 | RECORD NUMBER | 6403 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
82. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 66 | RECORD NUMBER | 6495 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
83. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 67 | RECORD NUMBER | 6587 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
84. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 68 | RECORD NUMBER | 6679 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
85. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 69 | RECORD NUMBER | 6771 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
86. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 70 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 70 | RECORD NUMBER | 6864 |
| SECTION 4/ 70 NOT IN DIRECTORY | | |
87. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 71 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 71 | RECORD NUMBER | 6956 |
| SECTION 4/ 71 NOT IN DIRECTORY | | |
88. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 72 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 72 | RECORD NUMBER | 7046 |
| SECTION 4/ 72 NOT IN DIRECTORY | | |
89. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 73 | RECORD NUMBER | 7136 |
| SECTION 4/ 73 NOT IN DIRECTORY | | |
90. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 74 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 74 | RECORD NUMBER | 7209 |
| SECTION 4/ 74 NOT IN DIRECTORY | | |
91. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 75 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 75 | RECORD NUMBER | 7280 |
| SECTION 4/ 75 NOT IN DIRECTORY | | |
92. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 76 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 76 | RECORD NUMBER | 7349 |
| SECTION 4/ 76 NOT IN DIRECTORY | | |
93. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 77 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 77 | RECORD NUMBER | 7416 |
| SECTION 4/ 77 NOT IN DIRECTORY | | |
94. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 78 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 78 | RECORD NUMBER | 7483 |
| SECTION 4/ 78 NOT IN DIRECTORY | | |
95. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 79 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 79 | RECORD NUMBER | 7548 |
| SECTION 4/ 79 NOT IN DIRECTORY | | |
96. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 80 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 80 | RECORD NUMBER | 7613 |
| SECTION 4/ 80 NOT IN DIRECTORY | | |
97. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 81 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 81 | RECORD NUMBER | 7678 |
| SECTION 4/ 81 NOT IN DIRECTORY | | |
98. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 82 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 82 | RECORD NUMBER | 7743 |
| SECTION 4/ 82 NOT IN DIRECTORY | | |
99. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 83 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 83 | RECORD NUMBER | 7806 |
| SECTION 4/ 83 NOT IN DIRECTORY | | |
100. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 84 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 84 | RECORD NUMBER | 7869 |
| SECTION 4/ 84 NOT IN DIRECTORY | | |
101. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 85 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 85 | RECORD NUMBER | 7930 |
| SECTION 4/ 85 NOT IN DIRECTORY | | |
102. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 86 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 86 | RECORD NUMBER | 7991 |
| SECTION 4/ 86 NOT IN DIRECTORY | | |
103. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 87 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 87 | |
| | SECTION 4/ 87 NOT IN DIRECTORY | RECORD NUMBER 8050 |
104. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 88 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 88 | |
| | SECTION 4/ 88 NOT IN DIRECTORY | RECORD NUMBER 8109 |
105. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 89 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 89 | |
| | SECTION 4/ 89 NOT IN DIRECTORY | RECORD NUMBER 8168 |
106. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 4, MT= 90 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 90 | |
| | SECTION 4/ 90 NOT IN DIRECTORY | RECORD NUMBER 8227 |
107. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 5, MT= 18 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 18 | |
| | SECTION 5/ 18 NOT IN DIRECTORY | RECORD NUMBER 8287 |
108. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 5, MT= 19 (0): Directory (b)
- | | | |
|--|---|---------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 19 | |
| | SECTION 5/ 19 NOT IN DIRECTORY | RECORD NUMBER 10736 |
109. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 5, MT= 20 (0): Directory (b)
- | | | |
|--|---|---------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 20 | |
| | SECTION 5/ 20 NOT IN DIRECTORY | RECORD NUMBER 13185 |
110. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 5, MT= 21 (0): Directory (b)
- | | | |
|--|---|---------------------|
| | ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 21 | |
| | SECTION 5/ 21 NOT IN DIRECTORY | RECORD NUMBER 15082 |
111. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 5, MT= 38 (0): Directory (b)

- ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 38
SECTION 5/ 38 NOT IN DIRECTORY RECORD NUMBER 16313
112. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 5, MT=455 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 5, MT=455
SECTION 5/455 NOT IN DIRECTORY RECORD NUMBER 16878
113. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 6, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 6, MT= 16
SECTION 6/ 16 NOT IN DIRECTORY RECORD NUMBER 17469
114. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 6, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 6, MT= 17
SECTION 6/ 17 NOT IN DIRECTORY RECORD NUMBER 18787
115. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 6, MT= 37 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 6, MT= 37
SECTION 6/ 37 NOT IN DIRECTORY RECORD NUMBER 19443
116. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 6, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 6, MT= 91
SECTION 6/ 91 NOT IN DIRECTORY RECORD NUMBER 19636
117. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 8, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 8, MT= 16
SECTION 8/ 16 NOT IN DIRECTORY RECORD NUMBER 22593
118. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 8, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF= 8, MT= 17
SECTION 8/ 17 NOT IN DIRECTORY RECORD NUMBER 22596
119. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF= 8, MT=102 (0): Directory (b)

- ERROR(S) FOUND IN MAT=9225, MF= 8, MT=102
SECTION 8/102 NOT IN DIRECTORY RECORD NUMBER 22599
120. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=12, MT= 18 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF=12, MT= 18
SECTION 12/ 18 NOT IN DIRECTORY RECORD NUMBER 22603
121. Missing a gamma spectrum for continuum of gammas
MAT=9225, MF=12, MT= 18 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=9225, MF=12, MT= 18
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
122. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=12, MT=102 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF=12, MT=102
SECTION 12/102 NOT IN DIRECTORY RECORD NUMBER 22608
123. Missing a gamma spectrum for continuum of gammas
MAT=9225, MF=12, MT=102 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=9225, MF=12, MT=102
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
124. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=13, MT= 3 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF=13, MT= 3
SECTION 13/ 3 NOT IN DIRECTORY RECORD NUMBER 22630
125. Missing a gamma spectrum for continuum of gammas
MAT=9225, MF=13, MT= 3 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=9225, MF=13, MT= 3
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
126. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=14, MT= 3 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF=14, MT= 3
SECTION 14/ 3 NOT IN DIRECTORY RECORD NUMBER 22672
127. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=14, MT= 18 (0): Directory (b)
- ERROR(S) FOUND IN MAT=9225, MF=14, MT= 18
SECTION 14/ 18 NOT IN DIRECTORY RECORD NUMBER 22674

128. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=14, MT=102

SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 22676

129. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=15, MT= 3 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=15, MT= 3

SECTION 15/ 3 NOT IN DIRECTORY

RECORD NUMBER 22679

130. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=15, MT= 18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=15, MT= 18

SECTION 15/ 18 NOT IN DIRECTORY

RECORD NUMBER 22979

131. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=15, MT=102

SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 23012

132. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=31, MT=456 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=31, MT=456

SECTION 31/456 NOT IN DIRECTORY

RECORD NUMBER 25612

133. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=33, MT= 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=33, MT= 2

SECTION 33/ 2 NOT IN DIRECTORY

RECORD NUMBER 25717

134. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=33, MT= 4 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=33, MT= 4

SECTION 33/ 4 NOT IN DIRECTORY

RECORD NUMBER 25821

135. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9225, MF=33, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=9225, MF=33, MT= 16

SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 25838

136. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=33, MT= 18 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF=33, MT= 18
SECTION 33/ 18 NOT IN DIRECTORY                RECORD NUMBER   25844
```

137. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9225, MF=33, MT=102 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9225, MF=33, MT=102
SECTION 33/102 NOT IN DIRECTORY                RECORD NUMBER   25948
```

- **groupie** Errors:

1. Very small elastic cross section found
0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

```
-----
ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]
```

- **fudge-4.0** Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=1500.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 2 ((z,n)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (n[multiplicity:'2'] + U233): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

- **fudge-4.0** Errors:

1. Found a negative probability
*reaction label 1: n + U234_e1 / Product: n / Distribution: / angularTwoBody - XYs2d:
(Error # 0): Negative prob.*

WARNING: Negative probabilities encountered. Incident energy: 2.8e7 eV, worst case: -0.0163596729968
WARNING: Negative probabilities encountered. Incident energy: 3.e7 eV, worst case: -0.0269415800533

2. Calculated and tabulated Q values disagree.
reaction label 42: n[multiplicity:'2'] + U233 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7140696.769622803 eV vs -6.8445e6 eV!

3. Calculated and tabulated Q values disagree.
reaction label 43: n[multiplicity:'3'] + U232 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12778088.95611572 eV vs -1.25879e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 44: n[multiplicity:'4'] + U231 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -19900984.7699585 eV vs -1.98522e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 46: U235 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5271197.065368652 eV vs 5.2978e6 eV!

6. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma
/ Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (599000.0 -> 30000000.0) vs (1e-05 -> 30000000.0)

7. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma
/ uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (599000.0 -> 30000000.0) vs (1e-05 -> 30000000.0)

8. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma__a
/ Multiplicity: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (309200.0 -> 600000.0) vs (1e-05 -> 30000000.0)

9. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma__a
/ Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (309200.0 -> 600000.0) vs (1e-05 -> 30000000.0)

10. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma__b
/ Multiplicity: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (149000.0 -> 600000.0) vs (1e-05 -> 30000000.0)

11. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma__b
/ Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (149000.0 -> 600000.0) vs (1e-05 -> 30000000.0)

12. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma_c
/ Multiplicity: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (1e-05 -> 600000.0) vs (1e-05 -> 30000000.0)

13. Energy range of data set does not match cross section range
*production label 47: /reactionSuite/reactions/production[@label='47'] / Product: gamma_c
/ Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (1e-05 -> 600000.0) vs (1e-05 -> 30000000.0)

14. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 4: nonelastic total gamma multiplicity (Error # 0): summedMultiplicityMismatch

WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 0.13%

15. Energy range of data set does not match cross section range
*fissionComponent label 1: /reactionSuite/fissionComponents/fissionComponent[@label='1']
/ Product: n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (1e-05 -> 30000000.0) vs (1100000.0 -> 30000000.0)

16. Energy range of data set does not match cross section range
*fissionComponent label 2: /reactionSuite/fissionComponents/fissionComponent[@label='2']
/ Product: n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (1e-05 -> 30000000.0) vs (7200000.0 -> 30000000.0)

17. Energy range of data set does not match cross section range
*fissionComponent label 3: /reactionSuite/fissionComponents/fissionComponent[@label='3']
/ Product: n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (1e-05 -> 30000000.0) vs (13000000.0 -> 30000000.0)

• njoy2012 Warnings:

1. If MT=19 is present, MT=18 will be ignored.
heatr...prompt kerma (0): HEATR/hinit (2)

---message from hinit---mt18 is redundant
19, 20, 21, ... will be used.

2. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (1): HEATR/hinit (4)

---message from hinit---mf6, mt 37 does not give recoil za= 92231
one-particle recoil approx. used.

3. There is a problem with the fission energy release.
heatr...prompt kerma (2): HEATR/nheat (3)

```
---message from nheat---changed q from 1.918400E+08 to 1.794600E+08
for mt 19
```

4. There is a problem with the fission energy release.
heatr...prompt kerma (3): HEATR/nheat (3)

```
---message from nheat---changed q from 1.918400E+08 to 1.794600E+08
for mt 20
```

5. There is a problem with the fission energy release.
heatr...prompt kerma (4): HEATR/nheat (3)

```
---message from nheat---changed q from 1.918400E+08 to 1.794600E+08
for mt 21
```

6. There is a problem with the fission energy release.
heatr...prompt kerma (5): HEATR/nheat (3)

```
---message from nheat---changed q from 1.918400E+08 to 1.794600E+08
for mt 38
```

- njoy2012 Errors:

1. An angular distribution is negative
acer...monte carlo neutron and photon data (0): Neg. P(Ejμ) (b)

```
---message from ptleg2---negative probs found
36 for mt= 51 e= 2.800E+07
```

2. An angular distribution is negative
acer...monte carlo neutron and photon data (1): Neg. P(Ejμ) (b)

```
---message from ptleg2---negative probs found
102 for mt= 51 e= 3.000E+07
```

- acelst Warnings:

1. The incident energy grid is not monotonic for this angular distribution
0: Bad Ang. Dist.

```
ACELST WARNING - Processing Ang.Dist.MT 2
E-grid non-monotonic 1.000000000E+01 1.000000000E+01
```